

002021" 8662E/60

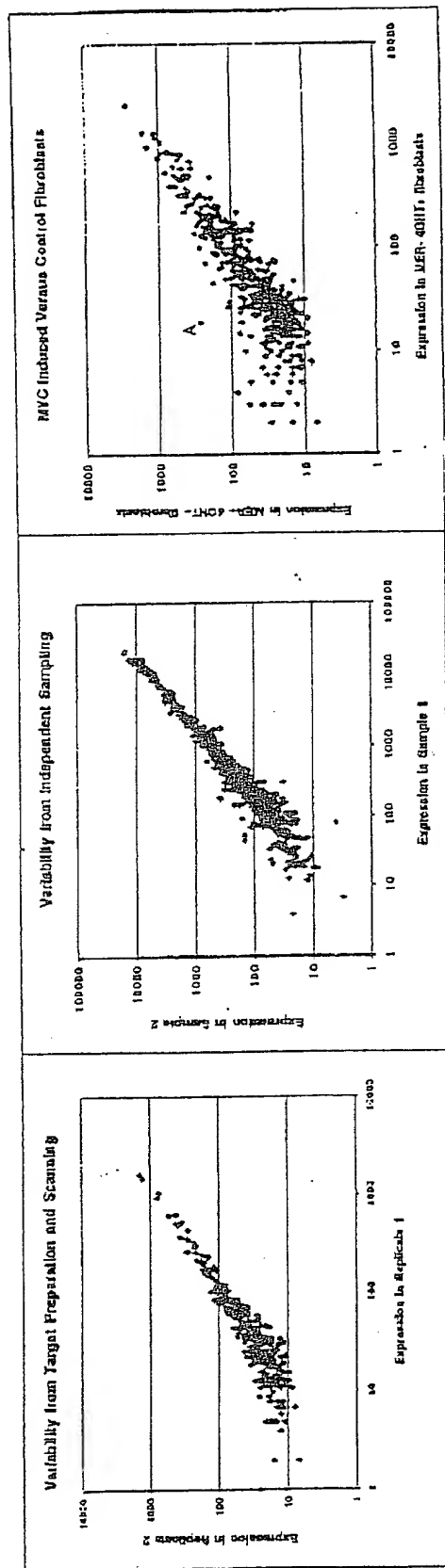


Figure 1A

Figure 1B

Figure 1C

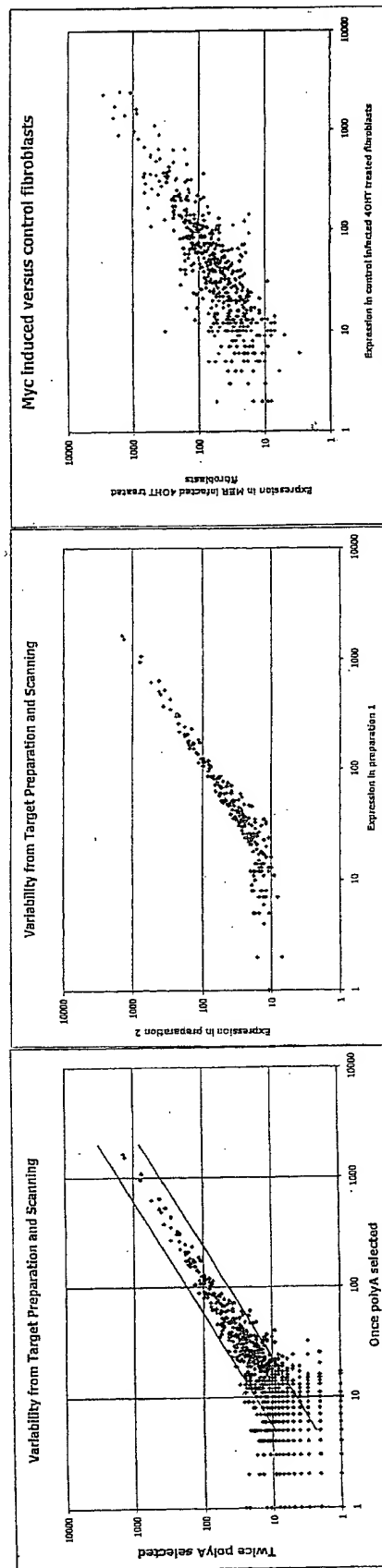


Figure 1D

Figure 1E

Figure 1F

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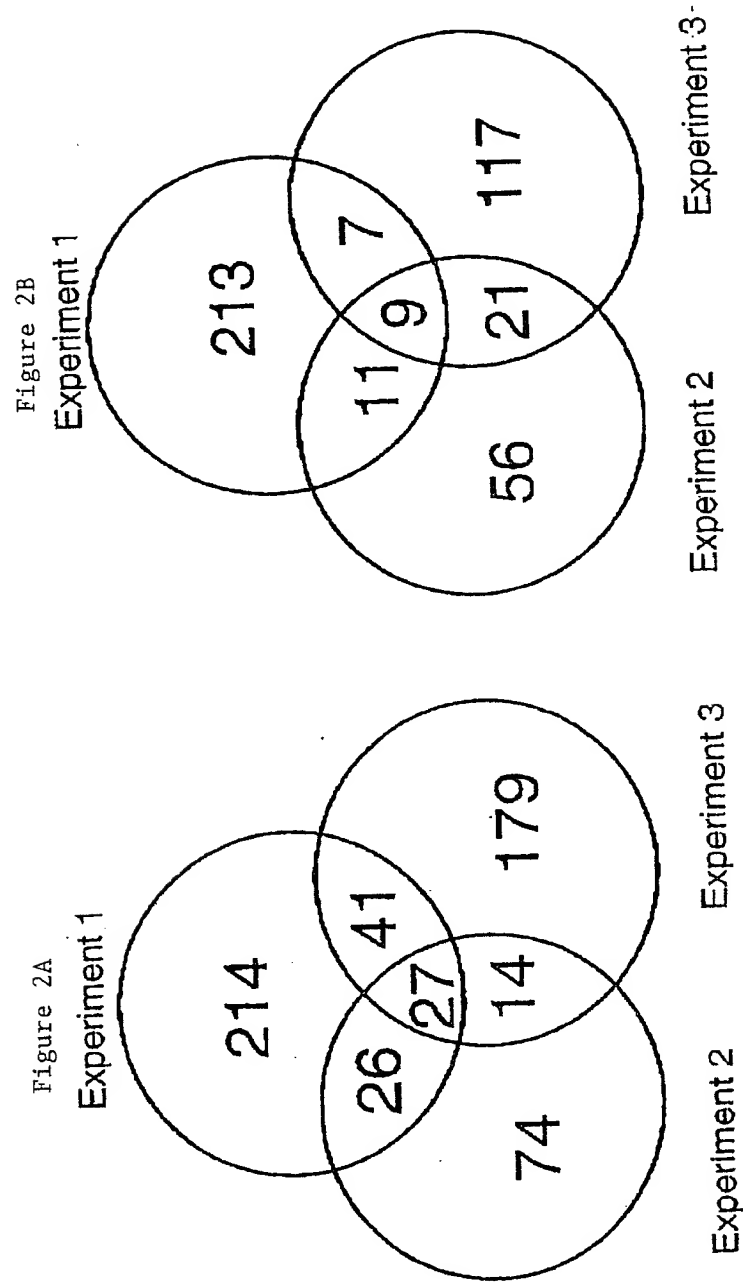


Figure 3A

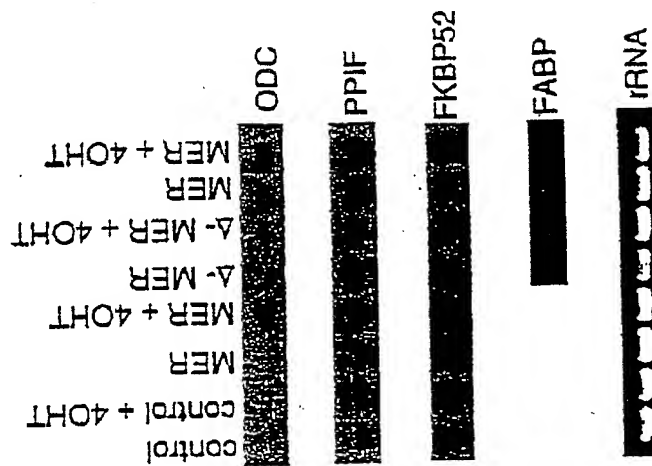


Figure 3B

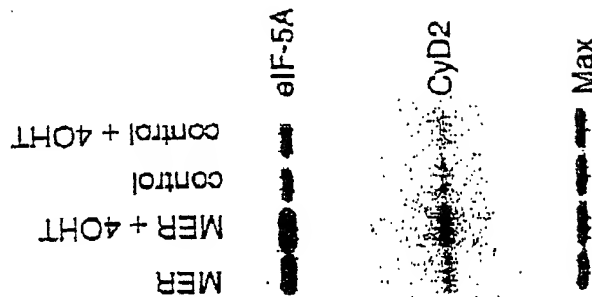
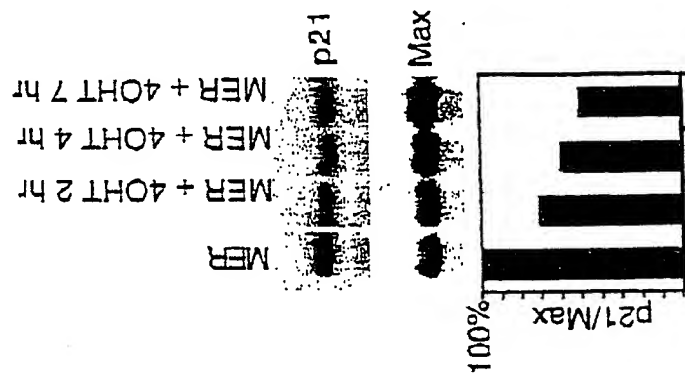
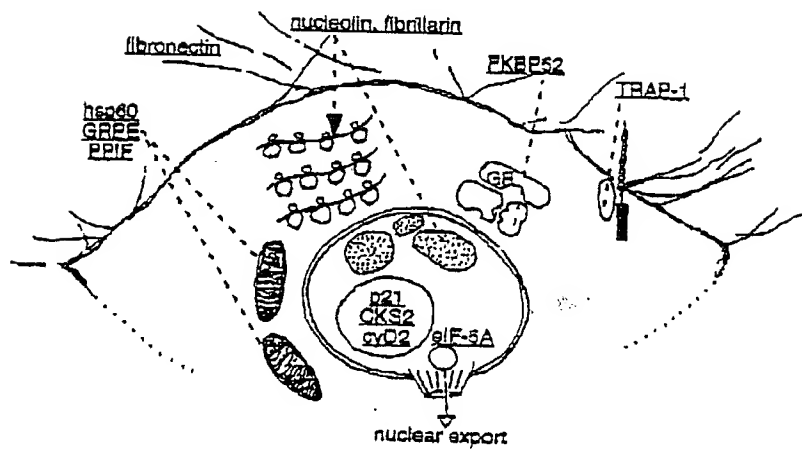


Figure 3C



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Figure 4



09732998 120700 00/027 86623260

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Figure 5

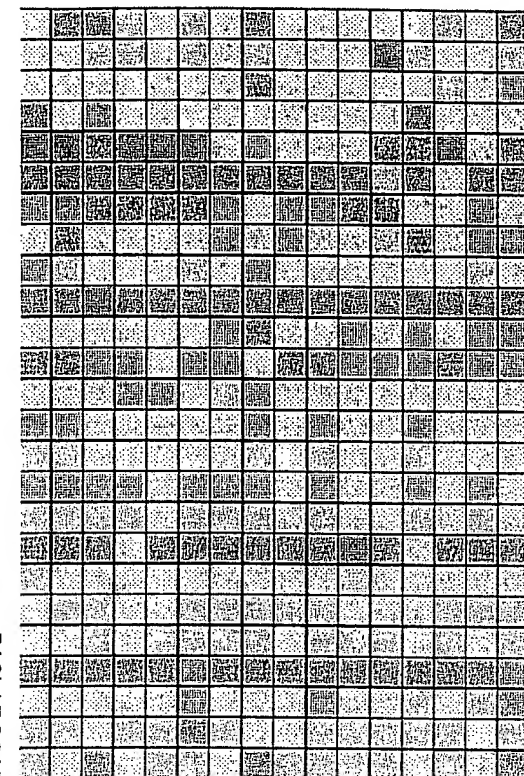
MER1 MER2 MER3 Myc HL60 U937 NB4

MER/myc - - - + + + - - - + + + - - - +

4OHT - - - + + + - - - + + + - - - +

hours

0.5 4 24 0.5 4 24 0.5 24 48 72



Reference

FKBP, 59 kDa

Inosine monophosphate dehydrogenase

Transcription factor AP-4

Set protooncogene

Tumor necrosis factor receptor associated TRAP1

RNA polymerase II subunit hRPB17

2G4, 38 kDa

Ubiquinol cytochrome c reductase

Mitochondrial heat shock 60 kDa protein

HLA DR associated protein

Grpe protein homolog

Cyclin D2

S-adenosylhomocysteine hydrolase

Mitochondrial outer membrane protein

Mitochondrial acetoacetyl-CoA thiolase

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Figure 6

Induced genes	Accession Number	MYC-ER1 MYC-ER + OHT/ control + OHT	MYC-ER2 MYC-ER + OHT/ control + OHT	MYC-ER3 MYC-ER + OHT/ control + OHT	Cycloheximide MYC-ER + OHT + α / control + OHT + α	HL60 0 hr/24 hr
Ornithine decarboxylase 1*	X55362	5.0	5.2	7.5	2.5	3.1
AHCY, S-adenosylhomocysteine hydrolase*	M61832	2.3	2.4	7.3	6.8	3.4
CCND2, cyclin D2*	D13639	4.8	2.2	5.7	4.4	5.6
ASS, argininosuccinate synthetase*	T51288	2.7	2.1	5.5	2.9	0.5
FKBP52, 52-kDa FK506 binding protein*	T70920	14.7	4.3	5.4	2.4	4.2
Pre-B cell enhancing factor (PBEF)	U02020	2.5	4.0	5.2	1.9	0.4
Tumor necrosis factor receptor associated protein (TRAP1)*	R61502	4.3	4.5	5.0	2.8	2.9
FABP5, psoriasis-associated fatty acid binding protein*	H73758	8.3	13.6	4.7	2.7	10.0
Nucleolin*	H17434	2.4	2.7	4.5	4.0	2.2
GOS2, lymphocyte G0/G1 switch gene 2*	M69199	7.3	4.0	4.4	6.1	1.0
PIF (hCyp3), peptidyl-prolyl <i>cis-trans</i> isomerase F*	H55916	3.8	3.9	4.3	3.6	0.7
RNA polymerase II subunit (hRPB8)	Z49199	2.8	2.4	4.0	1.4	1.3
Fibrillarin*	T57468	3.9	4.4	3.9	3.5	2.0
TFR, transferrin receptor (p90, CD71)*	R23889	2.3	2.4	3.9	2.4	9.1
CksHs2*	X54942	2.4	2.1	3.3	3.7	3.2
SLC16A1, solute carrier family 16*	L31801	11.1	2.7	2.9	2.0	5.6
IARS, isoleucine-tRNA synthetase*	U04953	5.9	2.1	2.9	2.6	1.3
HLA-DRB1, major histocompatibility complex, DR beta 5	T62633	3.4	8.9	2.9	0.4	0.5
EST highly similar to GRPE protein homolog precursor*	T51856	9.7	3.1	2.8	2.0	7.1
GPI, glucose phosphate isomerase	R49964	3.1	2.5	2.7	1.6	0.5
HSPD1, heat shock 60-kD protein 1 (chaperonin)	M22382	2.7	2.3	2.7	1.8	2.2
Hepatoma-derived growth factor*	D16431	2.2	2.3	2.6	2.6	2.5
Splicing factor SF2	R60749	4.3	3.6	2.5	1.6	6.3
Coup transcription factor	M37197	3.2	2.9	2.5	1.1	2.4
RPS11, ribosomal protein S11	X60673	7.3	2.6	2.4	1.6	1.3
EIF5A, eukaryotic translation initiation factor 5A*	M23419	3.0	2.3	2.3	2.3	4.8
EIF4G, eukaryotic translation initiation factor 4 gamma	R39681	2.4	3.8	2.1	0.7	1.1
Repressed genes						
p311 (neuronal protein 3.1)*	U30521	0.29	0.38	0.15	0.13	0.43
A2M, alpha-2-macroglobulin*	T69425	0.10	0.22	0.18	0.22	0.22
TPM1, tropomyosin alpha chain (skeletal muscle)*	Z24727	0.33	0.31	0.20	0.14	1.10
PDGFRA, platelet-derived growth factor receptor alpha*	H23235	0.43	0.30	0.30	0.42	1.00
FN1, fibronectin 1*	M76378	0.48	0.39	0.30	0.35	0.53
CTGF, connective tissue growth factor*	X78947	0.32	0.33	0.31	0.24	1.00
COL3A1, alpha-1 type 3 collagen*	X06700	0.34	0.38	0.39	0.33	1.00
CDKN1A, cyclin-dependent kinase inhibitor 1A (p21, Cip1)*	U03106	0.24	0.48	0.41	0.33	0.04
EST moderately similar to dithiolethione-inducible gene-2	R73450	0.22	0.38	0.44	0.93	0.28

Genes are listed in order of fold induction in experiment 3. The following genes were not present on the microarrays: EIF2a, CAD, ECA-39, MrDb, telomerase, LAF-1a, HLA-A2, gadd45, C/EBP α , and iron regulatory protein 2.

*Regulated by MYC-ER in the presence of cycloheximide.